

REMARKS/ARGUMENTS

Applicants would like to thank the Examiner for the careful consideration given the present application. The application has been carefully reviewed in light of the Office action, and amended as necessary to more clearly and particularly describe the subject matter that applicants regards as the invention.

Claims 1-9 were rejected under 35 U.S.C. 103(a) as being unpatentable over Jochheim in view of Maldonado in further view of Sheldrake. Claim 1 requires a portable telephone having an internal antenna. The portable telephone has a portable telephone housing, which includes a resin housing and a metal housing. A part of a circuit board on which the internal antenna is disposed is accommodated in the portable telephone housing's resin housing.

The claimed telephone includes a circuit board having a part on which the internal antenna is disposed and which is accommodated in the portable telephone housing's resin housing. Maldonado is cited for teaching an internal antenna. Maldonado's antenna coupler is not accommodated in a portable telephone housing, but in a different housing that forms a cradle for a telephone. See Maldonado Fig. 1B. The cited combination of references does not teach a circuit board having a part on which the internal antenna is disposed and which is accommodated in a portable telephone housing's resin housing.

The Office action cites Jochheim's upper shell 5 for teaching a resin housing. Jochheim's upper shell 5 includes clearances for a display 2 and a key field 3 (2:56-57). The Office action cites Sheldrake's metal front housing 1 for teaching a metal housing. Sheldrake's metal front housing 1 has apertures for a display and various projecting components (2:30-36). Clearly, Jochheim's upper shell 5 and Sheldrake's metal front housing 1 are both telephone housing parts that accommodate a display and operator keys. The Office action asserts that it would be obvious to implement Sheldrake's metal housing in Jochheim's terminal. Assuming,


arguendo, that this assertion is correct, one of ordinary skill in the art would simply replace Jochheim's upper shell 5 with Sheldrake's front housing 1. The resulting combination would lack the resin housing cited by the Office action and required by claim 1. Further, even if the configurations of Jochheim and Sheldrake are combined, there is no suggestion that "at least a part of the printed circuit board, on which the internal antenna is disposed, is accommodated in the resin housing" as recited in amended claim 1. Sheldrake shows that "the use of metal housings will have an effect on the radiation of the antenna which can enhance the emission characteristics of the radiotelephone" (2:5-7). Therefore, the metal housing 1 of Sheldrake enhances the emission characteristics of the antenna, which means that Sheldrake's antenna is located near the metal housing. However, amended claim 1 recites, "at least a part of the printed circuit board, on which the internal antenna is disposed, is accommodated in the resin housing." Therefore, the internal antenna is located away from the metal housing.

For the reasons discussed above, applicants respectfully submit that the cited combination of references fails to teach all of the limitations of claim 1 and that claim 1 is allowable over the cited combination of references. Claims 2, 3, 4 and 9 depend from claims 1 and, therefore, are also allowable over the cited combination of references. The arguments provided above with respect to claim 1 are also applicable to claim 5 and dependent claims 6-8. Therefore, claims 5-8 are also allowable over Jochheim, Maldonado and Sheldrake.

In light of the foregoing, it is respectfully submitted that the present application is in a condition for allowance and notice to that effect is hereby requested. If it is determined that the application is not in a condition for allowance, the Examiner is invited to initiate a telephone interview with the undersigned attorney to expedite prosecution of the present application.

If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 16-0820, our Order No. NGB-32439.

Respectfully submitted,
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